

```
int outPin = 13;  
int inPin = 2;
```

```
int state = HIGH;  
int reading;  
int previous = LOW;
```

```
long time = 0;  
long debounce = 200;
```

```
void setup() {  
  pinMode(outPin,OUTPUT);  
  pinMode(inPin,INPUT);  
}
```

```
void loop() {  
  reading = digitalRead(inPin);  
  if(reading == HIGH && previous == LOW && millis()-time > debounce){  
    if(state == HIGH)  
      state = LOW;  
    else  
      state = HIGH;  
  
    time = millis();  
  }  
  digitalWrite(outPin,state);  
  
  previous = reading;  
}
```